

REMARKS

Support for the change to claim 1 is found in Figure 2 as well as in the original Abstract of the original disclosure of the present application.

Figure 4 does have

In addition to the above, it is noted that the change to the Abstract is merely a minor grammatical correction. Further, the changes to pages 9 and 10 of the specification allow the specification to be consistent with the original disclosure of the Abstract, as well as the embodiment shown in Figure 2 and described in the specification as being an embodiment within the scope of the present invention. Consequently, no "new matter" has been inserted into the specification or claims.

NO marked changes

Request for Entry of Amendments under 37 C.F.R. § 1.116

It is submitted that the above-noted changes to the specification and claim 1 reduce the number of issues in connection with the present application, since the previous inconsistency between the Abstract and Figure 2 disclosures, and the phrase "N is an integer more than 1" in the original version of the specification. In this regard, please note that the reason this phrase existed in the original specification was based on a slightly inaccurate translation into English from Japanese in which the phrase "more than one" was understood by the translator to

additionally include one, though in the present context this is not necessarily true. In support of this fact, attached is a Declaration Regarding English Translation which briefly explains this point. However, this Declaration is not necessary to establish support for the amended phrase -- N is an integer of one or more --, because of the clear support in Figure 2 and the Abstract which form a part of the original disclosure of the present application.

disagree
Fig 2

Secondly, it is noted that by amending the specification and claim 1 for consistency with the rest of the original disclosure of the present application, the drawing objection below is removed, or at least the issue is significantly reduced.

Thirdly, the changes to the specification and claim 1 allow for consistency so as to place the present application in better form for consideration on appeal, should an appeal be necessary.

Fourthly, it is submitted that the "requirement of form" in connection with the rejection under 35 U.S.C. 112 (discussed in detail below) has also been removed, since the claims are now fully supported by the specification which allows for "N" to be 1.5 unintegral turns.

In view of the above, it is submitted that all of the present amendments should be entered of record and fully considered by the Patent Examiner.

BEST AVAILABLE COPY

Removal of Drawings Objection

The drawings have been objected to as failing to include embodiments wherein "N is an integer of more than one". However, this phrase has been changed in claim 1 and the specification, such that now Figure 2 shows an embodiment wherein $N = 1.5$ turns which is within the scope of present claim 1 and the specification. Therefore, it is submitted that the present drawings are appropriate.

In any case, if the Examiner still desires the submission of additional drawings showing embodiments wherein $N = 2.5$ turns and $N = 3.5$ turns, enclosed are proposed new Figures 17-20. Although it does not appear necessary to submit new Figures 17-20, if the Examiner desires to have these drawings placed in the file and approves Figures 17-20, Applicants' representative will submit formal drawings along with an insertion into the specification briefly describing these drawings. *New matter*

Removal of Rejection under 35 U.S.C. § 112

Claims 1 and 4-9 have been rejected under 35 U.S.C. § 112, first paragraph as it is asserted in the Office Action at the bottom of page 3 that it is " . . . uncertain how to make the

shaft, since none of the drawings show the first and second inclined fiber reinforced resinous layers being wound by $N + [0.5]$ unintegral turns, . . . where N is an integer more than one in claim 1." As noted above, the basis for this rejection has been removed, since the specification and claims now recite that "N" may be equal to 1.5 turns. Consequently, it is requested that this rejection be withdrawn.

It is submitted for the reasons stated above that the present application should be placed into condition for allowance.

Conclusion

Pursuant to 37 C.F.R. 1.17 and 1.136(a), the Applicants respectfully petition for a one (1) month extension of time for filing a reply in connection with the present application, and the required fee of \$110.00 is attached.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Andrew D. Meikle (Reg. No. 32,868) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any

Appl. No. 09/295,273

overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 

Andrew D. Meikle, #32,868

ADM:trb
2927-0103P

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

Attachment(s) Declaration Regarding English Translation
Optional New Figures 17-20

BEST AVAILABLE COPY